

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-014046**Date Inspected:** 16-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	Xu Xian Ping			<b>CWI Present:</b>	<b>Yes</b>	<b>No</b>	
<b>Inspected CWI report:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Rod Oven in Use:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Electrode to specification:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Weld Procedures Followed:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Qualified Welders:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Verified Joint Fit-up:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Approved Drawings:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Approved WPS:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
				<b>Delayed / Cancelled:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Bridge No:</b>	34-0006			<b>Component:</b>			

**Summary of Items Observed:**

This inspector performed conventional ultrasonic testing, UT, on deck panel U- rib stiffeners in accordance with NWIT 005750. U- Ribs tested were identified as DP3150-001, welds 171 and 172; DP 3149-001, welds 167 and 168; DP 3143-001, welds 171 and 172, DP 3144-001, welds 193, 194, 202, and 203; DP 3152-001, welds 147 and 148; DP 3075-001, welds 232, 244, 242, 243, 261, 262, and 231. No recordable indication was observed at the time of testing.

This inspector performed conventional ultrasonic testing, UT, on OBW7A-003,004, Section 7CW-7DW, Deck Plate. This inspection was in conjunction with ABF UT personnel, and to verify indications found during the ABF inspection. No additional recordable indication was noted at the time of inspection.

This inspector performed conventional ultrasonic testing, UT, on OBW7C-002, Section 7CW-7DW, Side Plate. This inspection was in conjunction with ABF UT personnel, and to verify indications found during the ABF inspection. No additional recordable indication was noted at the time of inspection.

This inspector assisted in performing an after blasting visual test, VT, of the north tower section, lift one, from the 0 to 18 meter points. Items observed during this inspection included porosity in welds, gouge marks in base metal, areas that were missed while blasting, and areas of inadequate blasting. All areas were marked by this inspector for rework by the proper method.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

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## WELDING INSPECTION REPORT

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### Summary of Conversations:

No Relevant Conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Barrentine,Daniel	Quality Assurance Inspector
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<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer
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